

Query/Command : his

File : PLUSPAT

## SS Results


1	1	US20040227515/PN
2	1	..CITB US20040227515/PN
3	1	..CITF US20040227515/PN
4	1	(1) ..FAM US20040227515/PN

Search statement 5

## Query/Command : PRT MAX SET

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1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**PN** -  US2004227515 A1 20041118 [US20040227515]  
**TI** - (A1) Radio-frequency antenna for a magnetic resonance system  
**IN** - (A1) NISTLER JURGEN (DE)  
**AP** - US78226304 20040219 [2004US-0782263]  
**PR** - DE10306998 20030219 [2003DE-1006998]  
**IC** - (A1) G01V-003/00  
**EC** - G01R-033/34F  
**PCL** - ORIGINAL (O) : 324318000  
**DT** - Basic  
**STG** - (A1) Utility Patent Application published on or after January 2, 2001  
**AB** - A radio-frequency antenna for a magnetic resonance system has a number of antenna rods and two rings. The antenna rods are regularly arranged around an antenna axis and are each connected at their rod ends with one of the rings per rod end. When the antenna rods proceed substantially parallel to the antenna axis, they exhibit, in a middle region of the antenna axis, a rod spacing from the antenna axis that is larger than the ring spacing from the antenna axis for at least one of the ferules. Either the antenna rods, with regard to their total length, are bent radially inwardly only in the area of the last 10%, or they proceed radially inwardly from their middle region over at least 20%, whereby in the outermost 10% no inward change ensues, or the rings, in their connection regions, are directed radially outwardly toward the antenna rods. Alternatively the antenna rods, together with the antenna axis, form an inclination angle, and exhibit, at their rod end situated farther from the antenna axis, a rod spacing from the antenna axis that is larger than a ring spacing from the antenna axis for the ring that is connected with the rod end situated farther from the antenna axis.  
**UP** - 2004-47

Search statement 5

## SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2005/Mar W4  
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File 34:SciSearch(R) Cited Ref Sci 1990-2005/Mar W3  
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
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File 292:GEOBASE(TM) 1980-2005/Feb B1  
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File 89:GeoRef 1785-2005/Mar B1  
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\*File 89: Please see HELP ALERTALL for new Alert frequency and price. Please see HELP RATES 89 for new Academic Subscriber rates.

File 65:Inside Conferences 1993-2005/Mar W4  
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200519  
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\*File 350: For more current information, include File 331 in your search. Enter HELP NEWS 331 for details.

File 347:JAPIO Nov 1976-2004/Nov(Updated 050309)  
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\*File 347: JAPIO data problems with year 2000 records are now fixed. Alerts have been run. See HELP NEWS 347 for details.

Set	Items	Description
S1	68	AU=(NISTLER, J? OR NISTLER J?)
S2	7	S1 AND (RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????? OR MAGNET?(3N)FIELD?)
S3	7	RD (unique items)
S4	61	S1 NOT S2
S5	0	S4 AND ((RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????- ?) (2N)ANTENNA? ?)
S6	5	S4 AND (MRI OR MAGNETIC(1W) (IMAG? OR IMAGING) OR MAGNETIC(- W) RESONAN? OR NMR OR NUCLEAR()MAGNETIC() RESONANCE OR FTNMR OR FTMRI OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W) RESO- NAN? OR MR() (IMAGE? OR IMAGING))
S7	5	RD (unique items)
S8	1493470	RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????? OR MAGN- ET?(3N)FIELD?
S9	6181	(RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC?????) (2N)AN- TENNA? ?
S10	1493470	S8:S9
S11	1585	IC=G01R-033/00
S12	1819467	MRI OR MAGNETIC(1W) (IMAG? OR IMAGING) OR MAGNETIC(W) RESONA- N? OR NMR OR NUCLEAR()MAGNETIC() RESONANCE OR FTNMR OR FTMRI - OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W) RESONAN? OR MR() (IMAGE? OR IMAGING)
S13	43081	MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S0- 3-E07C OR S05-D02B1 OR S03-C02F1) OR IC=(G01R-003 OR G01N-024- /08 OR G01V-003/A75) OR CC=(A0758 OR A8760I OR B7510N)
S14	1833765	S12:S13
S15	1322284	ROD OR RODS
S16	18588	(ROD OR RODS) (2N) (SPACE??? OR SPACING OR ANTENNA? ? OR RIN- G? ? OR BEND OR BENT)
S17	1322284	S15:S16
S18	8303	(RADIAL? OR INWARD?) (2N) (BEND OR BENT)
S19	3365	RADIAL(2N) INWARD?
S20	11618	S18:S19
S21	8442	OPPOSITE?(2N) END? ? AND (ROD OR RODS)
S22	83241	PARALLEL?(2N) (AXIAL???? OR AXIS OR AXES)
S23	28626	MIDDLE(2N) (REGION? OR ROD OR RODS OR RING? ?)
S24	76769	S10 AND S14
S25	95	S24 AND S11
S26	4	S25 AND S17
S27	4	RD (unique items)
S28	91	S25 NOT S26
S29	0	S28 AND S20
S30	3	S28 AND S22
S31	3	RD (unique items)
S32	88	S28 NOT S30
S33	0	S32 AND S23
S34	0	S28 AND S15
S35	6181	S8 AND S9
S36	1	S35 AND S11
S37	6180	S35 NOT S36
S38	1	S37 AND S20
S39	6179	S37 NOT S36, S38
S40	165	S20 AND S10
S41	1	S40 AND S21
S42	164	S40 NOT S41
S43	2	S42 AND S22

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S44	2	RD (unique items)
S45	162	S42 NOT S43
S46	0	S45 AND S23
S47	42	S45 AND S18
S48	0	S47 AND S19
S49	42	S47 AND S10
S50	35	RD (unique items)
S51	1	S50 AND S11
S52	34	S50 NOT S51
S53	0	S52 AND S21
S54	42	S23 AND S22
S55	2	S54 AND S21
S56	2	RD (unique items)
S57	52	S9 AND S17
S58	1	S57 AND (S21 OR S22 OR S23)